89-63

United States
Department of
Agriculture

National
Agricultural
Library

Beltsville
Maryland
20705

Quick Bibliography Series

Aquaculture: Integrated Farming Systems
January 1979 - March 1989

71 Citations

June 1989

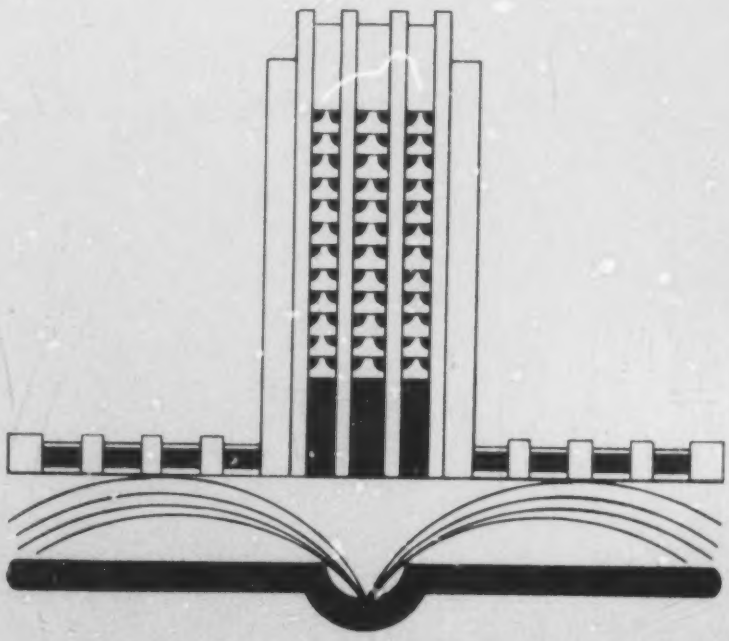
NAL-BIBL. QB 89-63

Prepared by:

LINDA M. BRAUN
National Agricultural Library
Information Centers Branch
(301) 344-3704

DATABASE SEARCHED: AGRICOLA

LANGUAGES: None excluded



A 17.18/4:

READEX FICHE best copy available

Bibliographies in the Quick Bibliography Series of the National Agricultural Library, are intended primarily for current awareness, and as the title of the series implies, are not indepth exhaustive bibliographies on any given subject. However, the citations are a substantial resource for recent investigations on a given topic. They also serve the purpose of bringing the literature of agriculture to the interested user who, in many cases, could not access it by any other means. The bibliographies are derived from computerized on-line searches of the AGRICOLA data base. Timeliness of topic and evidence of extensive interest are the selection criteria.

The author/searcher determines the purpose, length, and search strategy of the Quick Bibliography. Information regarding these is available upon request from the author/searcher.

Copies of this bibliography may be made or used for distribution without prior approval. The inclusion or omission of a particular publication or citation may not be construed as endorsement or disapproval.

To request a copy of a bibliography in this series, send the title, series number and self-addressed gummed label t

U.S. Department of Agriculture
National Agricultural Library
Public Services Division, Room 111
Beltsville, Maryland 20705

United States Department of Agriculture
National Agricultural Library
Public Services Division
Beltsville, Maryland 20705

AVAILABILITY OF CITED DOCUMENTS

Non-USDA Patrons

The materials listed in this bibliography are available on interlibrary loan through your local library. The librarian in your Public, State, University or Corporate library can assist you in obtaining materials either in your area or directly from the National Agricultural Library. Current charges are:

Photocopies - $5.00 for the first 10 pages
$3.00 for each additional 10 pages

Microfiche - $5.00 for the first fiche
$ .50 for each additional fiche

Microfilm - $10.00 per NAL owned reel of microfilm.

Invoices are issued quarterly. Requests must comply with the National or International Interlibrary Loan Code. Questions about the availability of these materials may be directed to:

Lending Branch
National Agricultural Library
Beltsville, MD 20705
(301) 344-3755

USDA Patrons

The materials listed in this bibliography may be obtained by submitting one Form AD 245 for each item requested to your local Agency or Regional Document Delivery System Library or directly to the address above.

AGRICOLA

Citations in this bibliography were
entered in the AGRICOLA
database between January 1979
and the present.

```
?ds

Set    Items    Description
S1      6039    INTEGRAT?
S2     18965    FISH?
S3        67    INTEGRAT?(F)FISH?
S4      6039    INTEGRAT?
S5     84299    FARM?
S6       140    INTEGRAT?(3W)FARM?
S7      6039    INTEGRAT?
S8     46817    SYSTEM?
S9       240    INTEGRAT?(W)SYSTEM?
S10       45    POLYCULTURE
S11       70    RECIRCULATING
S12    46817    SYSTEM?
S13        6    RECIRCULATING(W)SYSTEM?
S14     6039    INTEGRAT?
S15    93234    MANAGEMENT
S16       80    INTEGRAT?(W)MANAGEMENT
S17    55640    PROCESS?
S18    10261    WASTE?
S19      414    PROCESS?(2N)WASTE?
S20      946    INTEGRAT?(F)FISH? OR INTEGRAT?(3W)FARM? OR INTEGRAT?(W)SYSTE-
              M? OR POLYCULTURE OR RECIRCULATING(W)SYSTEM? OR INTEGRAT?(W)M-
              ANAGEMENT OR PROCESS?(2N)WASTE?
S21    27407    AQUACULTURE
S22    18965    FISH?
S23    41575    CULTUR?
S24      812    FISH?(F)CULTUR?
S25      617    CAGE
S26    41575    CULTUR?
S27       14    CAGE(W)CULTUR?
S28    10823    LARVA?
S29    41575    CULTUR?
S30       51    LARVA?(3N)CULTUR?
S31    39183    AGRICULTURE
S32    27407    AQUACULTURE
S33       49    AGRICULTURE(F)AQUACULTURE
S34    18965    FISH?
S35    84299    FARM?
S36      595    FISH?(F)FARM?
S37     3237    RAIS?
S38    18965    FISH?
S39       62    RAIS?(F)FISH?
S40    18965    FISH?
S41    52209    FEED?
S42      291    FISH?(2N)FEED?
S43    28101    AQUACULTURE OR FISH?(F)CULTUR? OR CAGE(W)CULTUR? OR LARVA?(3-
              N)CULTUR? OR AGRICULTURE(F)AQUACULTURE OR FISH?(F)FARM? OR RA-
              IS?(F)FISH? OR FISH?(2N)FEED?
S44       92    S20 AND S43
```

0001
Animal disease control as a component of Crop/livestock/fish/forestry integrated farming system.
Soni, B.K. Hissar, India : Haryana Agricultural Univ., Dept. of Veterinary Medicine, 1980? . Haemoprotozoan diseases of domestic animals : proceedings, Seminar, (CwVA Asian/Australian regions), Haryana Agricultural Univ., Hissar, India, Oct. 27-Nov. 1, 1980 / edited by O.P. Gautam, R.D. Sharm. p. 1-7. (NAL Call No.: DNAL SF809.T5H3 1980).

0002
Aquaculture in recirculating systems, 1979-March 1987.
Hanfman, D.T. ; Mazzaccaro, T.P. Beltsville, Md. : The Library. Quick bibliography series - National Agricultural Library (U.S.), Bibliography. May 1987. (87-47). 13 p. (NAL Call No.: DNAL aZ5071.N3).

0003
A case study on the economics of integrated farming systems: agriculture, aquaculture and animal husbandry in Nepal (Swine, duck, fish).
Rajbanshi, K.G. ; Shrestha, M.B. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 195-208. maps. Includes references. (NAL Call No.: SH103.I5 1979).

0004
Catfish and tilapia: effects of crowding in tank polyculture.
Wilson, J.L. ; Hilton, L.R. Little Rock, Ark., Briggs Associates, Inc. Aquaculture magazine. Sept/Oct 1981. v. 7 (6). p. 36-37. ill. (NAL Call No.: SH1.C65).

0005
A comparison of two closed recirculating systems for the culture of Tilapia.
Allison, R. ; Rakocy, J.E.~Moss, D.D. New York : Academic Press, 1981. Advances in food producing systems for arid and semi-arid lands / edited by Jamal T. Manassah, Ernest J. Briskey. Literature review. p. 979-1019. ill. Bibliography p. 1017-1019. (NAL Call No.: S612.2.A38).

0006
A contribution to the study of the natural food of Sarotherodon hybrids grown under conditions of polyculture, supplementary feed and intensive fertilization (Fish, nutrition, production, Israel).
Spataru, P.BMGHA. Nir-David : Department of Fisheries, Fish Breeders Association. Bamidgen = Quarterly on aquaculture in Israel. Dec 1982. v. 34 (4). p. 144-157. ill. 3 p. ref. (NAL Call No.: 414.8 B21).

0007
Cow manure bio-gas production and utilization in an integrated farm system at the Alabang Dairy Project (Production of chlorella as feed, fish and vegetables).
Alviar, C.J. ; Baoy, G.T.~Calangi, D.B. Jr.~Castillo, A.C.~Averion, M.D.~Elefano, S.C.~Santos, R.S.~Benet, R.~Hocon, R. Manila, Bureau of Animal Industry of the Philippines. The Philippine journal of animal industry. 1981. v. 36 (1/4). p. 34-49. (NAL Call No.: 49.9 P53P).

0008
Duck/fish integrated farming systems.
Edwards, P. Armidale : University of New England, 1986 . Duck production : science and world practice : proceedings of a workshop at Cipanas, Bogor, Indonesia, November 18-22, 1985 / editors, David J. Farrell and Paul Stapleton. Literature review. p. 267-291. ill. Includes references. (NAL Call No.: DNAL SF505.D82).

0009
An economic analysis of the integrated crop-livestock-fish farming in Taiwan.
Lee, C.S. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street), Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 107-118. 13 ref. (NAL Call No.: S603.5.I46).

0010
Effect of different stocking combinations on growth, production and survival of milkfish (Chanos chanos Forskal) and prawn (Penaeus monodon Fabricius) in polyculture in brackishwater ponds.
Eldani, A. ; Primavera, J.H. Amsterdam, Elsevier Scientific Publishing. Aquaculture. Apr 1981. v. 23 (1/4). p. 59-72. ill. 18 ref. (NAL Call No.: SH1.A6).

0011
Estimates of microbial populations involved in the N (nitrogen) cycle and their activity in water and sediments of fish farming ponds under mono- and polyculture systems in India.
Jana, B.B.IGHYA. ; Roy, S.K. Berlin, E. Ger. : Akademie-Verlag. Internationale Revue der gesamten Hydrobiologie. 1983. v. 68 (4). p. 581-590. Includes references. (NAL Call No.: QH91.A1I52).

0012
Evaluation of a closed recirculating system for the culture of Tilapia and aquatic macrophytes (Wastewater treatment processes).
Rakocy, J.E. ; Allison, R. Bethesda, Md. : Fish Culture Section of the American Fisheries Society, c1981. Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney. p. 296-307. ill. 8 ref. (NAL Call No.: SH151.B54 1979).

0013
Feeding of fingerlings reared in polyculture (Carp, plant-eating fish, pond fishery). Russian.
Mumzhu, E.A. Tashkent : "Fan". Uzbekskii biologicheskii zhurnal. 1984. (3). p. 37-40. (NAL Call No.: 442.8 UZ1).

0014
Fish farming: a complex of agricultural production systems. La pisciculture: une composante des systemes de production agricole. French.
Lazard, J. Montpellier : Recherche-Developpement for the Departement Systemes Agraires, CIRAD. Les Cahieres de la recherche developpement. Presented at a Seminar on "Agriculture-Animal Husbandry Relationships," September 10-13, 1985, Montpellier, France. Jan/Apr 1986. (9/10). p. 27-34. ill. Includes references. (NAL Call No.: DNAL S494.5.I5C33).

0015
Fish, pathogens and environment in European polyculture /edited by J. Olah.
--.
; Olah, J. Budapest : Akademiai Kiado, 1984. "Proceedings of an international seminar, June 23-27, 1981, Szarvas, Hungary" --T.p. verso. xix, 264 p. : ill. ; 25 cm. --. Includes bibliographies and index. (NAL Call No.: DNAL QH301.S9 v.23).

0016
Florida polyculture operation cultures, markets prawns for livestock purposes.
Belleville, E. Little Rock, Ark., Briggs Associates, Inc. Aquaculture magazine. July/Aug 1981. v. 7 (5). p. 4-5. ill. (NAL Call No.: SH1.C65).

0017
Freshwater aquaculture in Indonesia with special reference to small-scale agriculture-aquaculture integrated farming systems in West Java (fish, rice, aquatic vegetables, chicken, duck and sheep raising).
Djajadiredja, R. ; Jangkaru, Z.-Junus, M. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 143-165. ill., maps. Includes references. (NAL Call No.: SH103.I5 1979).

0018
The future potential of integrated farming systems in Asia.
Edwards, P. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. Literature review. v. 1 p. 273-281. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0019
Growth of stunted mrigal in polyculture system (Pond fish culture, India).
Raj, S.P. ; Sukumaran, N. Coimbatore, Tamil Nadu Agricultural University. The Madras agricultural journal. Oct 1980. v. 67 (10). p. 671-672. Includes 3 ref. (NAL Call No.: 22 M262).

0020
Health constraints to integrated animal-fish farming in the Philippines (Infectious diseases).
Velasquez, C.C. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 103-111. Includes references. (NAL Call No.: SH103.I5 1979).

0021
The ICLARM-CLSU integrated animal-fish farming project final report /Kevin D. Hopkins and Emmanuel M. Cruz.
Hopkins, Kevin D. ; Cruz, Emmanuel M. Nueva Ecija, Philippines : Freshwater Aquaculture Center, Central Luzon State University ; Manila, Philippines : International Center for Living Aquatic Resources Management, 1982. iv, 96 p., 4 p. of plates : ill. ; 28 cm. Bibliography: p. 53-54. (NAL Call No.: DNAL SH117.P6H6).

0022
Imperatives for an integrated crop-livestock-fish farming system (Asia).
Magamba, J.C. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street). Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 1-7. ill. 4 ref. (NAL Call No.: S603.5.I46).

0023
Imperatives for an integrated crop-livestock-fish farming system (in Asia).
Magamba, J.C. Taipei, The Center. Extension bulletin - ASPAC Food & Fertilizer Technology Center,Asian and Pacific Council, Food and Fertilizer Technology Center. Oct 1979. Oct 1979. (130). 7 p. ill. 4 ref. (NAL Call No.: S631.A8).

0024
Integrated agriculture-aquaculture farming studies in Thailand with a case study on chicken-fish farming.
wetchagarun, K. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 243-249. maps. Includes references. (NAL Call No.: SH103.I5 1979).

0025
Integrated agriculture-aquaculture farming systems : proceedings of the ICLARM-SEARCA Conference on Integrated Agriculture-Aquaculture Farming Systems, Manila, Philippines, 6-9 August 1979 / edited by Roger S.V. Pullin and Ziad H. Shehadeh. -.
; Pullin, Roger S. V.~Shehadeh, Ziad H. Manila, Philippines International Center for Living Aquatic Resources Management Los Baños, Philippines Southeast Asian Regional Center for Graduate Study and Research in Agriculture 1980. vii, 258 p. : ill. (1 col., cover), maps ; 28 cm. --. Includes bibliographies. (NAL Call No.: SH103.I5 1979).

0026
Integrated agriculture-aquaculture farming systems in the Philippines, with two case studies on simultaneous and rotational rice-fish culture.
Dela Cruz, C.R. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 209-223. ill. Includes references. (NAL Call No.: SH103.I5 1979).

0027
Integrated agriculture-aquaculture studies in Taiwan (Duck-fish and pig-fish).
Chen, T.P. ; Li, Y. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 239-241. (NAL Call No.: SH103.I5 1979).

0028
Integrated agriculture/aquaculture systems (Fish production, pond fertilization with swine manure, Tilapia nilatica, asiatic silver carp).
Behrends, L.L. ; Kingsley, J.B.~Maddox, J.J.~Waddell, E.L. Jr. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1982. Paper presented at the 1982 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1982. (fiche no. 82-5031). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

0029
Integrated animal-fish husbandry systems in Hong Kong with case studies on duck-fish and goose-fish systems.
Sin, A.W.C. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 113-123. ill., maps. Includes references. (NAL Call No.: SH103.I5 1979).

0030
Integrated aquacultural development. Sociological issues in the cooperative management of community fishponds.
Molnar, J.J. ; Schwartz, N.B.~Lovshin, L.L. Assen : Van Gorcum. Sociologia ruralis. 1985. v. 25 (1). p. 61-80 (imperfect paging). Includes references. (NAL Call No.: DNAL 281.29 SO12).

0031
Integrated crop-livestock-fish farming. -.
Taipei, Taiwan (Agriculture Building, 14 Wen Chow St.) Food and Fertilizer Technology Center 1980. 147 p. : ill. ; 26 cm. --. Includes bibliographies. (NAL Call No.: S603.5.I46).

0032
Integrated farming in Malaysia (pig, fish, vegetable).
Ismail, A.B. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street), Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 62-75. ill. 7 ref. (NAL Call No.: S603.5.I46).

0033
Integrated farming in Thailand (Fish culture).
Janesirisak, S. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street), Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 53-56. 3 ref. (NAL Call No.: S603.5.I46).

0034
Integrated farming systems: a case study under the Federal Land Development Scheme (Fish farming, Malaysia, costs).
Arshad, N. ; Abu Bakar, M.S. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 189-193. Includes references. (NAL Call No.: SH103.I5 1979).

0035
Integrated farming with fish as major enterprise (fish, crops and livestock).
Cruz, C.R. dela. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street), Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 22-33. 16 ref. (NAL Call No.: S603.5.I46).

0036
Integrated fish farming: an international effort.
Schroeder, G. Greenbelt : Institute for Alternative Agriculture. American journal of alternative agriculture. Summer 1986. v. 1 (3). p. 127-130. ill. Includes references. (NAL Call No.: DNAL S605.5.A43).

0037
Integrated fish production--poultry waste seen as feed for tilapia.
Thornton, G. Mount Morris : Watt Publishing Company. Poultry digest. Oct 1982. v. 41 (488). p. 506-507. ill. (NAL Call No.: 47.8 N219).

0038
Integrated livestock-fish farming in India (Swine, ducks, chickens, economics).
Jhingran, V.G. ; Sharma, B.K. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 135-142. Includes references. (NAL Call No.: SH103.I5 1979).

0039
An integrated system of aquaculture, vegetable production and solar heating in an urban environment (Tilapia aurea and Ictalurus punctatus, Atlanta, Georgia).
Bender, J. London : Applied Science Publishers. Aquacultural engineering. 1984. v. 3 (2). p. 141-152. ill. Includes references. (NAL Call No.: SH1.A66).

0040
Integration of duck and fish farming: experimental results.
Barash, H. ; Plavnik, I.~Moav, R. Amsterdam, Elsevier Scientific Publishing. Aquaculture. Mar 1982. v. 27 (2). p. 129-140. Includes 13 ref. (NAL Call No.: SH1.A6).

0041
The integration of fish farming with agriculture in Malaysia.
Tan, E.S.P. ; Khoo, K.H. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 175-187. maps. Includes references. (NAL Call No.: SH103.I5 1979).

0042
Intensive polyculture of common carp (Cyprinus carpio L.) and herbivirous fish (silver carp, Hypophtalmichthys molitrix (Val.), and grass carp, Ctenopharyngodon idella (Val.)).
Dimitrov, M. Amsterdam : Elsevier Scientific Publishing. Aquaculture. May 15, 1984. v. 38 (3). p. 241-253. Includes references. (NAL Call No.: SH1.A6).

0043
Israeli advice helped Greek polyculture project (Marine and freshwater fish farming).
White, P.G. ; Paiton, M.~Leventis, M. London, Arthur J. Heighway. Fish farming international. June 1981. v. 8 (2). p. 8-10, 11. ill., maps. (NAL Call No.: SH151.F5).

0044
Measurments of some groups of microbial populations with special reference to denitrification in water and sediments of fish farming ponds under mono- and polyculture systems.
Jana, B.B. ; Patel, G.N. Berlin, E. Ger. : Akademie-Verlag. Internationale Revue der gesamten Hydrobiologie. 1984. v. 69 (2). p. 231-240. Includes references. (NAL Call No.: QH91.A1I52).

0045
Pesticides as a major constraint to integrated agriculture-aquaculture farming systems (Legislation, toxicity to fish, Indonesia).
Koesoemadinata, S. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 45-51. Includes references. (NAL Call No.: SH103.I5 1979).

0046
The Philippine experience in integrated crop-livestock-fish farming systems.
Tan, E.D. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street), Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 43-52. 17 ref. (NAL Call No.: S603.5.I46).

0047
Polyculture in fish farming.
SPANA, Huner, J.V. Foston : J.G.R. Stevens. Span : progress in agriculture. 1985. v. 28 (2). p. 57-59. ill. Includes 1 references. (NAL Call No.: DNAL 464.8 SP2).

0048
Polyculture of prawns, Macrobrachium rosenbergii, and channel catfish fingerlings, Ictalurus punctatus, in Louisiana.
Hunter, J.V. ; Perry, W.G. Jr.~Bean, R.A.~Miltner, M.~Avault, J.W. Jr. (s.l.), The Academy. The proceedings of the Louisiana Academy of Sciences. 1980. v. 43. p. 95-103. 13 ref. (NAL Call No.: 500 L932).

0049
Polyculture of the freshwater prawn, Macrobrachium rosenbergii, Chinese and common carps in ponds enriched with swine manure. I. Initial trials.
Malecha, S.R. ; Buck, D.H.~Baur, R.J.~Onizuka, D.R. Amsterdam, Elsevier Scientific Publishing. Aquaculture. Aug 1981. v. 25 (2/3). p. 101-116. Bibliography p. 115-116. (NAL Call No.: SH1.A6).

0050
Polyculture of the freshwater prawn, Macrobrachium rosenbergii, Chinese and common carps in ponds enriched with swine manure.
Malecha, S.R. ; Buck, D.H.~Baur, R.J.~Onizuka, D.R. Honolulu, The Institute. Research extension series - University of Hawaii, Hawaii Institute of Tropical Agriculture and Human Resources. Apr 1981. Apr 1931. (005). p. 57-84. ill. Includes 3 p. ref. (NAL Call No.: S481.R4).

0051
Potential of integrated farming systems in Asia with particular emphasis on use of fresh manure from pigs, chicken and goats for fish ponds.
Cruz, E.M. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 1 p. 282-293. ill. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0052
Preliminary observations on the growth of ikan Jelawat, Leptobarbus hoeveni (Blk.), fed poultry processing wastes (Freshwater fish culture, Malaysia).
Chan, E.H. ; On B.T.~Ang, K.J. Serdang, Selangor, Universiti Pertanian Malaysia. Pertanika. July 1981. v. 4 (1). p. 94-95. Includes 1 ref. (NAL Call No.: S19.P4).

0053
A preliminary report on cow manure biogas production and utilization in an integrated farm system at the Alabang Dairy Project (for chlorella culture, fish production and crop cultivation).
Alviar, C.J. ; Baoy, G.T.~Castillo, A.C.~Averion, M.O.~Elefano, S.C.~Santos, R.~Benet, R.~Hocon, R. Manila, Bureau of Animal Industry of the Philippines. Philippine journal of animal industry. First/Fourth Quarter 1980. v. 35 (1/4). p. 1-10. ill. 10 ref. (NAL Call No.: 49.9 P53P).

0054
Preliminary studies on dietary overlap of fishes in a polyculture (Cyprinus carpio, Catla catla, Labeo rohita, Cirrhina mrigala, India).
Sandhu, J.S. , Toor, H.S. Ludhiana : Indian Ecological Society. Indian journal of ecology. July 1983. v. 10 (2). p. 322-326. Includes references. (NAL Call No.: QH540.I56).

0055
Preliminary studies on the treatment of sorghum beer brewery effluent in an integrated bacterial/algal/fish/macrophyte culture system.
Gaigher, I.G. ; Toerien, D.F.~Grobbelaar, J.U. London : Elsevier Applied Science Publishers. Agricultural wastes. 1985. v. 12 (3). p. 207-224. ill. Includes references. (NAL Call No.: DNAL TD930.A32).

0056
Primary productivity of phytoplankton, environmental covariates and fish growth in West Bengal ponds under a polyculture system (India).
Jana, B.B.IGHYA. ; De, U.K. Berlin, E. Ger. : Akademie-Verlag. Internationale Revue der gesamten Hydrobiologie. 1983. v. 68 (1). p. 45-58. Includes references. (NAL Call No.: QH91.A1I52).

0057
The production of the freshwater prawn Macrobrachium rosenbergii in Israel. III. Density effect of all-male Tilapia hybrids on prawn yield characters in polyculture.
Cohen, D. ; Ra'anan, Z. Amsterdam : Elsevier Scientific Publishing. Aquaculture. Sept 1983. . v. 35 (1). p. 57-71. Includes references. (NAL Call No.: SH1.A6).

0058
Report on integrated crop/livestock/ and/or fish farming systems in Thailand /based on the work of Manu Seetisarn.
--.
Manu Seetisarn. Bangkok, Thailand : Food and Agriculture Organization of the United Nations, Regional Office for Asia and the Far East, 1979. "November 1979.". ii, 33 p. ; 28 cm. --. Bibliography: p. 33. (NAL Call No.: DNAL HD2080.55.M3).

0059
Research and information requirements for integrated agriculture-aquaculture farming systems.
Furtado, J.L. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings, ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 251-256. (NAL Call No.: SH103.I5 1979).

0060
Results of a test on the polyculture of the carp Cyprinus carpio (Linnaeus) var. specularis and the tilapia hybrid (Sarotherodon hornorum X Sarotherodon niloticus) in a pond at the Fish Research Center of the National Department of Works for Drought Control (Pentecoste, Ceara, Brazil) (Fish yield, stocking rate). Resultados de um ensaio sobre policultivo de carpa espelho, Cyprinus carpio (Linnaeus) vr. Specularis, e o hibrido de tilapia de Zanzibar, Sarotherodon hornorum (Trew.),

com a do nilo, S. niloticus (Linnaeus), em viveiro do Centro de Pesquisas Ictiologicas do DNOCS (Pentecoste, Ceara, Brasil). Portuguese.
Silva, J.W.B. e. ; Porto, M.N.M.-Farias, J.D.-Nobre, M.I. da S. Fortaleza : El Departamento. Boletim tecnico - Brazil, Departamento Nacional de Obras Contra as Secas. Jan/June 1983. v. 41 (1). p. 27-54. ill. (NAL Call No.: TC801.B7).

0061
A review of integrated livestock-fowl-fish farming systems (Productivity and profitability, Asia).
Delmendo, M.N. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings. ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 59-71. ill. Includes references. (NAL Call No.: SH103.I5 1979).

0062
Role of financial institutions in development of integrated fish farming (India).
Singh, V.D. ; Sampath, V. New Delhi : Concept Pub. Co., 1983. Fisheries development in India : some aspects of policy management / edited by U.K. Srivastava (and) M. Dharma Reddy. Paper presented at the National Seminar on Fisheries Development in India, April 9-11, 1982, Ahmedabad, India. p. 419-431. Includes references. (NAL Call No.: SH299.N34 1982).

0063
The role of organic wastes in composite fish culture in India.
Kapur, K. London : Elsevier Applied Science Publishers. Biological wastes. 1987. v. 21 (4). p. 307-310. ill. Includes references. (NAL Call No.: DNAL TD930.A32).

0064
The role of small-scale fisheries and coastal aquaculture in integrated rural development. 6-9 December 1978, Madras.
Cochin Central Marine Fisheries Research Institute 1978. 44 p. ; 21 cm. --. (NAL Call No.: SH299.C43 No.5).

0065
Sarawak Inland fisheries and aquaculture development program on integrated farming (Malaysia).
Bian, D.K. Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street), Food and Fertilizer Technology Center, 1980. Integrated crop-livestock-fish farming. p. 76-77. (NAL Call No.: S603.5.I46).

0066
Small scale fish/crop/livestock home industry integration--A preliminary study in West Java.
Djajadiredja, R. ; Jangkaru, Z. Jakarta Selatan, Indonesia, Ministry of Agriculture, Agency for Agricultural Research and Development, Indonesian agricultural research & development journal. 1979. v. 1 (3/4). p. 1-4. ill. (NAL Call No.: S3.I41).

0067
A theoretical comparison of waste treatment processing ponds and fish production ponds receiving animal wastes.
Nash, C.E. ; Brown, C.M. Manila, Philippines : International Center for Living Aquatic Resources Management, 1980. Integrated agriculture-aquaculture farming systems : proceedings. ICLARM-SEARCA Conf. Integrated Agriculture-Aquaculture farming Systems, Manila, Philippines, 6-9 August 1979 / edited by R.S.V. Pullin and Z.H. Shehadeh. p. 87-97. ill. Includes references. (NAL Call No.: SH103.I5 1979).

0068
Use of feed resources in fattening ponds with a polyculture of fish.
But, V.P. ; Mumzhu, E.L.-Malykhina, T.IU. Tashkent, "Fan". Uzbekskii biologicheskii zhurnal. 1980. 1980. (6). p. 44-46. 2 ref. (NAL Call No.: 442.8 UZ1).

0069
Use of fermented cow manure as a feed substrate for fish polyculture in stagnant water ponds.
Barash, H. ; Schroeder, G.L. Amsterdam : Elsevier Scientific Publishing. Aquaculture. Jan 1, 1984. v. 36 (1/2). p. 127-140. ill. Includes references. (NAL Call No.: SH1.A6).

0070
Utilization of catfish processing waste (for catfish feeding, swine feeds).
Lovell, R.T. Auburn, Ala., The Station. Bulletin - Alabama Agricultural Experiment Station. Oct 1980. Oct 1980. (521). 19 p. ill. 5 ref. (NAL Call No.: 100 AL1S (1)).

0071
"Wastes" (from fish processing plants as salable fish protein) can be turned into cash.
Avault, J.W. Little Rock, Ark., Briggs Associates, Inc. Aquaculture magazine. Mar/Apr 1981. v. 7 (3). p. 38-39. ill. (NAL Call No.: SH1.C65).

Abu Bakar, M.S. 34
Allison, R. 5, 12
Alviar, C.J. 7, 53
Arshad, N. 34
Avault, J.W. 71
Baoy, G.T.~Calangi, D.B. Jr.~Castillo, A.C.~Averion, M.O.~Elefano, S.C.~Santos, R.S.~Benet, R.~Hocon, R. 7
Baoy, G.T.~Castillo, A.C.~Averion, M.O.~Elefano, S.C.~Santos, R.~Benet, R.~Hocon, R. 53
Barash, H. 40, 69
Behrends, L.L. 28
Belleville, B. 16
Bender, J. 39
Bian, D.K. 65
Brown, C.M. 67
Buck, D.H.~Baur, R.J.~Onizuka, D.R. 49, 50
But, V.P. 68
Chan, E.H. 52
Chen, T.P. 27
Cohen, D. 57
Cruz, C.R. dela. 35
Cruz, E.M. 51
Cruz, Emmanuel M. 21
De, U.K. 56
Dela Cruz, C.R. 26
Delmendo, M.N. 61
Dimitrov, M. 42
Djajadiredja, R. 17
Djajadiredja, R. 66
Edwards, P. 8, 18
Eldani, A. 10
Furtado, J.L. 59
Gaigher, I.G. 55
Hanfman, D.T. 2
Hilton, L.R. 4
Hopkins, Kevin D. 21
Huner, J.V. 47
Hunter, J.V. 48
Ismail, A.B. 32
Jana, B.B. 44
Jana, B.B.~IGHYA, 11, 56
Janesirisak, S. 33
Jangkaru, Z. 66
Jangkaru, Z.~Junus, M. 17
Jhingran, V.G. 38
Kapur, K. 63
Khoo, K.H. 41
Kingsley, J.B.~Maddox, J.J.~Waddell, E.L. Jr. 28
Koesoemadinata, S. 45
Lazard, J. 14
Lee, C.S. 9
Li, Y. 27
Lovell, R.T. 70
Madamba, J.C. 22, 23
Malecha, S.R. 49, 50
Manu Seetisarn. 58
Mazzaccaro, T.P. 2
Molnar, J.J. 30
Mumzhu, E.A. 13
Mumzhu, E.L.~Malykhina, T.IU. 68
Nash, C.E. 67
Oh, B.T.~Ang, K.J. 52
Olah, J. 15
Paiton, M.~Leventis, M. 43
Patel, G.N. 44
Perry, W.G. Jr.~Bean, R.A.~Miltner, M.~Avault, J.W. Jr. 48
Plavnik, I.~Moav, R. 40
Porto, M.N.M.~Farias, J.O.~Nobre, M.I. da S. 60
Primavera, J.H. 10
Pullin, Roger S. V.~Shehadeh, Ziad H. 25
Ra'anan, Z. 57
Raj, S.P. 19
Rajbanshi, K.G. 3
Rakocy, J.E. 12
Rakocy, J.E.~Moss, D.D. 5
Roy, S.K. 11
Sampath, V. 62
Sandhu, J.S. 54
Schroeder, G. 36
Schroeder, G.L. 69
Schwartz, N.B.~Lovshin, L.L. 30
Sharma, B.K. 38
Shrestha, M.B. 3
Silva, J.W.B. e. 60
Sin, A.W.C. 29
Singh, V.D. 62
Soni, B.K. 1
SPANA. 47
Spataru, P.~BMGHA. 6
Sukumaran, N. 19
Tan, E.O. 46
Tan, E.S.P. 41
Thornton, G. 37
Toerien, D.F.~Grobbelaar, J.U. 55
Toor, H.S. 54
Velasquez, C.C. 20
Wetchagarun, K. 24
White, P.G. 43
Wilson, J.L. 4

U.S. Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

OFFICIAL BUSINESS
Penalty for Private Use, $300

Postage and Fees Paid
United States
Department of Agriculture
AGR-101